

ABSTRACT OF THE DISCLOSURE

A data transmission sequencing method is disclosed. A data read operation from a primary bus to a secondary bus can be executed without having to wait for the complete transfer of write data stored in posted write buffer transferring to the primary bus, as long as the secondary bus is not in use. In the mean time of the primary bus issues a read operation to the secondary bus, the secondary bus can issues write operation to the bridging device when the secondary bus is not in use. Similarly, there is no need to wait for the completion of read operation. With this type of data transmission sequencing mechanism, idle sessions in a conventional transmission sequencing method are eliminated leading to a higher data transmission rate.